features are not disclosed or suggested by Aldous. In Aldous, the antenna 84 is attached to a movable portion 82. This movable portion 82, together with the housing 80, could perhaps be compared to the frame of Applicant's invention. However, unlike Applicant's invention, the antenna 84 is not attached in a movable manner to the portion 82. Rather, in Aldous, it is the portion 82 that extends or retracts. As shown in FIG. 3 of Aldous, the antenna 84 is hingedly attached to the movable portion 82. In Applicant's invention, as recited in claims 1 and 10, the antenna structure is movable by sliding the antenna rod into and out of the card, either fully or partly. Unlike Aldous where the frame extends or retracts, in Applicant's invention only the rod structure extends or retracts. Also, unlike Applicant's invention, in Aldous as illustrated in FIGS. 3 and 4, the antenna 84 must be rotated or moved from a horizontal to vertical position. (See Col. 9, lines 23-25).

Thus, since unlike Applicant's invention, in Aldous it is a portion of the frame that extends and retracts, it is respectfully submitted that claims 1, 10, and 11, as amended, are not disclosed or suggested by Aldous. Claims 2-5 and 12 are dependent, and should be allowable in view of at least the dependencies.

Furthermore, regarding claim 2, Aldous discloses a ribbon cable 94 between the housing 80 and the movable portion 82. In the present invention, claim 2 refers to a connecting means between the movable second end and the frame part. The frame part corresponds to the movable portion 82 and therefore the ribbon cable 94 is not part of the connecting means.

Regarding claims 5 and 12, the antenna contact 164 (Aldous, Fig. 7) is provided for connecting the antenna 158 electrically to

appropriate communication circuitry. The structure of antenna contact 164 is not suitable or intended for pushing the collar 156 or the antenna 158 out of the device 150 in a slidable manner. The spring means 11 of the present invention is arranged to push the antenna rod outside the card CP.

Therefore, claims 2, 5, and 12 are also not disclosed or suggested by Aldous.

3. Claims 6-9 and 13-16, as amended, are not unpatentable over Aldous in view of Phillips under 35 U.S.C. §103(a). As noted above, Aldous does not disclose or suggest all of the features of Applicant's invention as recited in claim 1. Therefore, claims 6-9, which depend from claim should be allowable in view of at least the dependencies. Claims 13 and 14 should be allowable by reason of their dependency on claim 11.

Claim 15 is also not unpatentable over Aldous in view of Phillips. Again, Aldous does not disclose or suggest Applicant's invention according to claim 15 for similar reasons as discussed above. Furthermore, neither Aldous nor Phillips disclose an arrangement including a contact pin and contact spring for establishing the electrical connection as recited in claim 15. In Aldous, a ribbon cable 94 is used. (Col. 9, line 6). In Phillips, a spring wire 15 is used. (Col. 3, line 54). Neither discloses nor suggests an arrangement as claimed by Applicant's. Therefore, claim 15 is not disclosed or suggested by Aldous in view of Phillips. Claim 16 depends from 15 and should be allowable in view of at least the dependency.

For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and

are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

A check in the amount of $128 is enclosed for a one-month extension of time and for the additional claim fee. The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

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11-6-02
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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to the Commissioner of Patents, Washington, D.C. 20231.

Date: 11/6/02

Signature: Denise Spaulding
Person Making Deposit

Application No.: 09/631,501

Marked Up Claim(s)

1. (Twice Amended) An expansion card, wherein the card is arranged to be fitted in an expansion card connection of an electronic device, such as a data processor, and which card comprises a frame part, wherein the card is provided with an antenna structure which is a rod structure comprising a first end and a second end [with an antenna part] the first end for receiving and transmitting signals, and [a] the second end of the rod structure being adapted to be placed movably inside said frame part, wherein said antenna structure is arranged to be movable [for] by inserting the first end of the antenna structure [in] into an interior of the frame of said card and [for] extending the first end outside the frame [said card].

10. (Twice Amended) A method in the manufacture of an expansion card, wherein the card is arranged to be fitted in the expansion card connection of an electronic device, such as a data processor, and which card comprises a frame part, wherein the card is provided with an antenna structure which is a rod structure comprising a first end and a second end, the first end provided with an antenna part for receiving and transmitting signals, and [a] the second end of the rod structure adapted to be placed movably inside said frame part, wherein said antenna structure is arranged to be movable [for inserting the antenna structure in] relative to the frame part of said card by the first end being adapted to be retracted into an interior of said

frame part and [for extending] the first end being adapted to be extended outside said frame part of said card.

11. (Twice Amended) An antenna structure which is arranged to be fitted in a wireless communication device, wherein the device comprises a frame part provided with means for processing signals, wherein said antenna structure is a rod structure comprising a first end and a second end, the first end being provided with an antenna part for receiving and transmitting signals, and [a] the second end [which is] being adapted to be placed movably inside said frame part, and which is provided with connecting means for transferring signals between said antenna structure and said means, wherein said antenna structure is arranged to be movable [for] relative to said frame part of the wireless communication device by inserting the first end of the antenna structure [in] into said wireless communication device and extending the first end outside said wireless communication device.

15. (Twice Amended) An arrangement for a wireless communication device, such as a mobile phone or an expansion card, for setting and guiding an antenna structure in different positions,

wherein said antenna structure comprises a first end which is provided with an antenna part for receiving and transmitting signals, and a second end to be fitted movably inside said wireless communication device,

wherein the arrangement comprises a spring means to be fitted inside said wireless communication device, for pushing out said antenna structure,

wherein the arrangement comprises locking means for setting said antenna structure in its first position, which locking means comprise a pivoting position lever arranged to be deflected sideways and back again and arranged to be guided by lever guides, which lever guides are arranged upon inserting said antenna structure by pushing it inwards to deflect said position lever to a position which prevents the pushing out of said antenna structure, wherein locking is activated, and which lever guides are arranged upon pushing said antenna structure inwards, further than its first position, wherein locking is activated, to allow the return of said position lever to a position which allows the pushing out of said antenna structure to its second position, and

wherein the first position is arranged for bringing the antenna part to the inside of or closer to said wireless communication device and the second position is arranged for bringing the antenna part out of or farther from said wireless communication device; and

wherein the arrangement comprises a contact pin on the antenna structure for electrically connecting the antenna structure to a circuit board when the contact pin makes electrically contact with a first contact spring on the circuit board the first contact spring corresponding to the second position.